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United States Department of Agriculture
EXTENSION SERVICE
Washington 25, D. C.

HOME-MADE EQUIPMENT AND LABOR-SAVING EQUIPMENT

FOR

WAR FOOD PRODUCTION

A PARTIAL LIST OF PUBLICATIONS AND PLANS

Compiled by
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Extension Agricultural Engineer

This list of publications has been prepared for the information of extension agricultural engineers in the States to facilitate their cooperative efforts in the development of home-made equipment to save farm labor and increase food production. It is not intended for general distribution or for release to individuals and agencies whose requests for publications would be burdensome and costly to the States.

This list includes without distinction the materials that are furnished free and those for which charges are made.

Most of the materials listed are currently available, although some items may not be available for distribution. In these cases, it is suggested that the materials be obtained from libraries and other permanent files.

United States Department of Agriculture.

Farmers' Bulletin -

- 734 F. Fly traps and their operation.
- 744 F. The preservative treatment of farm timbers.
- 810 F. Equipment for farm sheep raising.
- 879 F. Home storage of vegetables.
- 927 F. Farm home conveniences.
- 954 F. Disinfection of stables.
- 976 F. Cooling milk and cream on the farm.
- 1045 F. Laying out fields for tractor plowing.
- 1078 F. Harvesting and storing ice on the farm.
- 1132 F. Planning the farmstead.
- 1157 F. Waterproofing and mildewproofing cotton duck.
- 1186 F. Pork on the farm; killing, curing, and canning.

Farmers' Bulletin - Continued.

- 1214 F. Farm dairy houses.
- 1227 F. Sewage and sewerage of farm homes.
- 1267 F. Utilization of flue-heated tobacco barns for sweetpotato storage.
- 1315 F. Cleaning milking machines.
- 1426 F. Farm plumbing.
- 1452 F. Painting on the farm.
- 1460 F. Simple plumbing repairs on the farm.
- 1472 F. Preventing damage by termites or white ants.
- 1483 F. Control of insect pests in stored grain.
- 1487 F. Practical hog houses.
- 1490 F. Hog-lot equipment.
- 1500 F. Rammed-earth houses.
- 1508 F. Poultry keeping in back yards.
- 1512 F. Protection of buildings and farm products from lightning.
- 1526 F. Clearing land of brush and stumps.
- 1533 F. Rat control.
- 1538 F. Incubation and brooding of chickens.
- 1554 F. Poultry houses and fixtures.
- 1572 F. Making cellars dry.
- 1577 F. Harvesting grain sorghums.
- 1582 F. Protection of log cabins, rustic work, and unseasoned wood
from injurious insects.
- 1590 F. Fire-protective construction on the farm.
- 1638 F. Ratproofing buildings and premises.
- 1643 F. Fire safeguards for the farm.
- 1660 F. The use of logs and poles in farm construction.
- 1662 F. Husker-shredder in corn-borer control.
- 1675 F. Care of milk utensils on the farm.
- 1678 F. Safe use and storage of gasoline on the farm.
- 1690 F. Plowing with moldboard plows.
- 1698 F. Heating the farm home.
- 1720 F. Adobe or sun-dried brick for farm buildings.
- 1730 F. Rabbit production.
- 1733 F. Planning the subsistence farmstead.
- 1743 F. Hotbeds and coldframes.
- 1746 F. Subsistence farm gardens.
- 1749 F. Modernizing farm buildings.
- 1751 F. Roof coverings for farm buildings and their repair.
- 1754 F. Care and repair of mowers and binders.
- 1756 F. Selection of lumber for farm and home building.
- 1761 F. Harvesting with combines.
- 1772 F. Use of concrete on the farm.
- 1801 F. Making lime on the farm.
- 1811 F. Control of insects attacking grain in farm storage.
- 1818 F. Mechanical milk cooling on the farm.
- 1820 F. Silo types and construction.
- 1821 F. Containers for fruits and vegetables.
- 1832 F. Farm fences.
- 1838 F. Electric light for the farmstead.
- 1858 F. Electric motors for the farm.

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Farmers' Bulletin - Continued.

- 1865 F. Closets and storage spaces.
- 1869 F. Foundations for farm buildings.
- 1889 F. Chimneys and fireplaces.
- 1912 F. Wood fuel in wartime.
- 1926 F. Preventing destructive fires in southern woodlands.
- 1931 F. Care and use of rope on the farm.
- 1939 F. Home storage of vegetables and fruits.

Leaflet -

- 15 L. Rabbit-house construction.
- 44 L. Fires on farms.
- 56 L. Preventing cracks in new wood floors.
- 62 L. Why some wood surfaces hold paint longer than others.
- 77 L. Bracing farm buildings.
- 97 L. Cross-blocking sugar beets.
- 101 L. Injury to buildings by termites.
- 107 L. The barrel seed scarifier.
- 124 L. Sash greenhouses.
- 191 L. Liquefied gas for the household.
- 193 L. Fireproofing Christmas trees.
- 231 L. Blackout of poultry houses and dairy barns.
- 232 L. A wartime dairy barn.

Circular -

- 212 C. A low-cutting sled corn cutter.
- 264 C. Mechanical application of fertilizers to cotton in South Carolina. 1931.
- 287 C. Burning for the control of aphids on alfalfa in the Antelope Valley of California.
- 292 C. Artificial drying of rice on the farm.
- 321 C. Use of farm machinery for corn-borer control in the one-generation area.
- 361 C. Removing smut balls from seed wheat.
- 399 C. Machine placement of fertilizers for snap beans in Florida.
- 406 C. Oil burners for home heating.
- 415 C. Equipment for applying dust fungicides to seed grain.
- 443 C. Artificial drying of forage crops.
- 470 C. Performance characteristics of 5- and 6-foot combines.
- 488 C. Developments in mechanical equipment and methods in sugar-beet production.
- 540 C. Cotton tillage studies on Red Bay sandy loam.
- 581 C. Harvesting pyrethrum.
- 592 C. Machinery for growing corn.
- 598 C. Experiments in the use of vapor-spray equipment.

Miscellaneous Publication -

- 212 MP. A low-cutting sled corn cutter.
- 278 MP. Plans for farm buildings for Northeastern States.
- 319 MP. Plans for farm buildings for Western States.
- 360 MP. Plans for farm buildings for Southern States.
- 483 MP. Victory Gardens.

Division of Agricultural Engineering, Bureau of Plant Industry, Soils,
and Agricultural Engineering.

Mimeograph and Multilith -

ACE-114 Small, electrically operated cross-cut saw.

Unnumbered:

- Poison bait spreader for grasshopper control.
- Poison bait mixer for grasshopper and Mormon cricket control.
- Self-angling disk jointer.
- A home-made spreader for dry sodium nitrate.
- Directions for construction of telescoping tongue.
- 3035 Variable-depth cotton planter.
- 3042 Dust fungicide feeders for use with seed-treating equipment.
- MC 53 Preservation of fruits and vegetables by freezing in
the Northwest Pacific.
- JAB 3/4/40 Bibliography of freezing preservation of fruits and
(BAIC) vegetables.
- BHNHE-ARA Oven-drying the surplus from your Victory Garden.

Blueprint -

- ACE-2011 Hay stacker.
- ACE-2086 Hay stacker.

Press Release -

- 1237-43 (1) Cottonseed hulls - a practical insulation for the South.
- BPISAE-ARA Watering the Victory Garden, why, when, how, and how much.
- USDA-FSA -
- Dist. VII Irrigation of the farm garden.

Technical Bulletin -

- 121 T. Methods of harvesting grain sorghums.

Yearbook Separate -

- 1625 Y. Tillage Machinery

Drawings of equipment included in the regional plan books

Drawing No.	Title	Plan Book		
		North- Eastern 278 MP.	Western 319 MP.	Southern 360 MP.
5023	Three-room milk house, 10' x 20'			S
5024	Meat-curing box		W	
5027	Refrigerator, 1200-pound side-iced	NE	W	
5029	Smokehouse, 6' x 8' outside firebox	NE	W	S
5039	Hog-scalding equipment, permanent		W	S
5040	Hog breeding crate	NE		S
5041	Cattle squeeze			S
5063	Hog-scalding equipment, movable		W	S
5065	Movable hog house, box type, 7' x 8'			S
5066	Cattle stocks		W	
5083	Cattle self-feeder, 6' x 14'			S
5090	Creosoting plant, split oil drums 17' long			S
5091	Rope-bottom potato hopper	NE	W	
5094	Cattle feed trough			S
5124	Shed roof portable hog house	NE		
5127	Shed roof colony portable hog house no floor	NE		S
5136	Poultry lights and water heater	NE		
5137	Poultry burglar alarm	NE		
5139	300 bushel corncrib	NE		
5142	Apple-box elevator	NE		
5146	Farm shop, 24' x 30'	NE	W	
5147	Truck garage, 2 car, 30' x 44'	NE		
5148	Machine shed and shop, open front, 24' x 60'	NE		S
5149	Two-car garage, 20' x 20'	NE	W	S
5150	One-car garage, 12' wide	NE	W	S
5152	Milk house, 9' x 12', 8 can tank	NE	W	
5153	Retail milk house, concrete block, 20' x 26'	NE		
5155	Milk can steaming rack and record holder	NE		
5156	Pasteurizing plant, concrete block, 20' x 26'	NE		
5164	Trash burners, precast concrete, 18" x 24" x 3'	NE		
5176	Potato cellar, concrete, 300 bushel	NE		S
5180	Milk can cooling tank, 2 to 12 - 5 gallon cans	NE		S
5181	Cattle breeding rack. (N.Y.)	NE		
5182	Cattle breeding rack. (Mass.)	NE		
5184	Tourist cabin, 1 room, 10' x 14'	NE		S
5185	Tourist cabin, 3 room, 18' x 30'	NE	W	S
5186	Tourist cabin, 1 room, 14' x 18'	NE		
5189	Sash greenhouses, 10' x 18'	NE		S

Drawings of equipment included in the regional plan books (Contd.)

Drawing No.	Title	Plan Book		
		North- Eastern 278 MP.	Western 319 MP.	Southern 360 MP.
5196	Refrigerator, overhead icer, (1 average sized beef carcass)	NE		
5197	Farm springhouse, 4' x 4'	NE		
5198	Incinerator (for small quantity of garbage)	NE		S
5200	Pasteurizing plant, concrete block, 26' x 26'	NE		
5271	"A-type" colony portable hog house	NE		S
5273	Two-pen straw loft	NE		
5330	Root cellar, connecting to basement, 9 x 12			
	20' x 48'		W	
5338	Implement shed and shop, closed front/		W	
5341	Implement shed and shop, combine space, closed, 26' x 80'		W	
5382	Hog self-feeder, 36" x 16"	NE		
5388	Movable loading chute, hogs		W	S
5400	Summer range shelter, poultry		W	S
5416	Lowdown wagon	NE		
5417	Orchard brush-burner sled	NE		
5431	Movable brooder house, shed roof, 12' x 14'		W	
5457	Milking barn and milkhouse (6 cows) 19' x 45'			S
5463	Movable cattle hay rack (12 head) V openings		W	
5464	Movable cattle hay rack (12 head) slatted		W	
5465	Cattle squeeze		W	
5466	Calf creep, with hay and grain feeders		W	
5467	Automatic gate		W	
5468	Cattle guards, wood		W	S
5469	Cattle guards, wood and concrete		W	S
5470	Cattle guards, concrete and steel		W	S
5477	Movable hog house, "A-type" colony, raise-up sides		W	
5478	Movable hog house, box type, gable roof 8' x 8'		W	
5479	Movable hog house, 2 pen gable roof, 12' x 9'		W	
5482	Hog self-feeders, one way, raise-up lid, 12 hogs		W	
5483	Hog self-feeder, 2 way, 30 to 40 hogs		W	
5490	Wooden hoop silo		W	
5491	Root cellar, poles and straw, 16' x 20'		W	

Drawings of equipment included in the regional plan books (Contd.)

Drawing No.	Title	Plan Book		
		North- Eastern 278 MP.	Western 319 MP.	Southern 360 MP.
5495	Implement shed, 20 feet wide, open front		W	
5497	Utility building, garage, woodshed, laundry, and vegetable storage, 24' x 30'		W	
5498	Carpenter's bench		W	
5502	Two-room milk house, can-cooling tank 8' x 16'		W	
5503	Three-room milk house, cold room, 12' x 18'		W	
5508	Fresh-air sleeping cabin, 2 rooms, 12' x 16'		W	
5510	Ice box, inside measurement, 26" x 48" x 36"		W	
5511	Evaporator cooler for arid regions		W	
5513	Mechanical refrigerator, 80 cubic feet		W	
5514	Dairy cold box, mechanically cooled		W	
5515	Simple farm water systems, sink, pump, outside barrel		W	
5516	Simple farm water systems, cold water only, gravity		W	
5517	Simple farm water system, hot and cold water to kitchen and tub		W	
5518	Simple farm water systems, complete, gravity		W	
5519	Simple farm water systems, complete pneumatic		W	
5520	Open water tower, 5,000 gallon tank		W	
5521	Closed water tower, 5,000 gallon tank		W	
5522	Mormon hay stacker		W	
5523	Hay stacker, similar to Wilson type		W	
5530	Movable grain bin, 500 bu., 10' x 10'			S
5531	Movable grain bin, 1,000 bu., 12' x 14'			S
5562	Implement shed, platform for small implements, 24 feet deep			S
5569	Corral			S
5571	Creosoting plant, 560 posts daily			S
5572	Sheep feeding yard, 2 types of feed trough			S
5576	Hog-lot equipment for pig clubs			S
5579	Hog self-feeders, 40 pigs under 200 lb. 3-4 days			S
5583	Electric brooder, 200 chicks			S
5584	Home-made lamp brooder, 100 chicks			S
5585	Movable brooder house, shed roof, 12' x 14'			S

Drawings of equipment included in the regional plan books (Contd.)

Drawing No.	Title	Plan Book		
		North- Eastern 278 MP.	Western 319 MP.	Southern 360 MP.
5588	Movable grain bin, 660 bu., 10' x 14'			S
5589	Truck silos			S
5595	Implement shed and shop, closed 24' x 40'			S
5596	Implement shed and loft, closed 26' x 40'			S
5598	Milk house			S
5608	Flue-heated sash house			S
5610	Trash burner, brick, household waste			S
5614	Auto bumper gate			S

A.W.I. Leaflet -

- 4 How to make your refrigerator last longer.
- 6 How to make the washing machine last longer.
- 7 Take care of household rubber.
- 8 How to make your gas or electric range last longer.
- 11 How to make the ironing equipment last longer.
- 18 Protecting potatoes from late blight.
- 19 Take care of vacuum cleaners and carpet sweepers.
- 20 How to make your electric cords last longer.
- 26 Take care of the wool you have.
- 27 Saving sweetpotatoes from black-rot.
- 38 Save cotton by controlling insects.
- 40 Insecticides are ammunition - use them wisely.

REA Leaflet -

The electric pig brooder.
 Care and use of lighting equipment.
 Care and use of your electric range.
 Care and use of your washer.
 Care and use of your electric refrigerator.
 Care and use of your vacuum cleaner.
 Care and use of your electric hot plate.

ALABAMA

School of Agriculture, Alabama Polytechnic Institute, Auburn

Extension.

Circular -

- 136 Farm fencing. J. B. Wilson and R. E. Yoder. 1939.
- 165 Terracing and related soil-conservation practices
for Alabama. J. B. Wilson and J. H. Neal. 1941.

Circular - Continued.

- 186 A catalog of blueprints of farm buildings. Also
related equipment and community buildings.
H. W. Dearing, Jr. 1939.
- 193 Farmstead water supply and sewage-disposal systems.
H. W. Dearing, Jr. and F. A. Kummer. 1940.
- 238 Cost per hour of using farm machinery. 1943.
- 239 An all-purpose electric brooder. H. W. Dearing, Jr.
and E. H. Chambers. 1943.

Mimeograph -

Home-made peanut pickers for Spanish peanuts. 1942.
(Adapted from Mississippi Extension Service Plan)

The home-made stalk cutter.

Lime fertilizer and seed distributor. F. A. Kummer and J. B. Wilson. 1941.

Shredding equipment for drying sweetpotatoes. F. A. Kummer. 1942.

Rewiring a light socket - 4-H demonstration outline. H. W. Dearing, Jr.

Judging formulas of exterior paint - 4-H demonstration outline.

H. W. Dearing, Jr.

Repairing electric heating appliance cords - 4-H demonstration outline.

E. H. Chambers and H. W. Dearing, Jr.

Grease trap or coagulation basin for meat-curing room. H. W. Dearing, Jr.

Grounding galvanized roofs - illustrated letter.

Description of plans for building ratproof grain storage. H. W. Dearing, Jr.

Raise the roof (for increased storage).

Leaflet -

Fire-prevention circular - illustrated.

Card -

Check sheet - Fire hazards.

Blueprint -

- 1-1-A Farmstead - lay-out with sanitation and fire prevention.
- 2-1-D Brooder, coke - brick and rock construction.
- 4-1-D Trap nest - wood construction.
- 5-1-D Hog breeding rack.
- 6-1-D Breeding crate for cattle.
- 8-1-D Self-feeder for hogs.
- 9-1-D Hog trough and wallow.
- 10-1-D Dipping vat for hogs.
- 11-1-D Cattle dipping vat.
- 12-1-D Hog project - equipment for 4-H Club work.
- 14-1-D Hog slaughter unit.

Blueprint - Continued.

- 15-1-D Electric brooder - 100 chicks.
- 2-2-D Thermostatically controlled, wood-fired brooder.
- 3-2-D Range shelter - laying house, 9 by 12 feet or portable laying house.
- 15-2-D Electric brooder - 300 chicks.
- 15-3-D New electric lamp brooder.
- 24-1-E Silo, wooden hoop.
- 5-1-F Washing vat for dairy.
- 6-1-F Ice box - 49 cubic feet.
- 7-1-F Milk-cooling tank - 4 to 10, 10-gallon-can size.
- 5-1-G Farm shop, 26 by 40 feet.
- 5-2-G Farm shop, 13 by 14 feet.
- 8-1-G An iceless refrigerator.
- 10-1-G Washroom, 10 by 12 feet.
- 1-1-H Lespedeza pan - attachment for mower.
- 2-1-H Crimson-clover stripper.
- 3-1-H Cottonseed huller.
- 4-1-H Machine shop forge.
- 7-1-H Water tank tower, 30 feet high.
- 7-2-H Water tank tower, 40 feet high.
- 8-1-H A hurdle for driving hogs.
- 9-1-H Coldframe or hotbed, 5 by 12 feet.
- 9-2-H Electric heated hotbed.
- 10-1-H Snaking hoist.
- 11-1-H Wagon rack - 12-14-16 feet length.
- 15-1-H Garden wheelbarrow.
- 16-1-H Two-wheeled trailer.
- 17-1-H Home-made terrace drag.
- 18-1-H Pecan drying pan.
- 19-1-H Fruit evaporators.
- 20-1-H Concrete fence posts.
- 21-1-H Feed rack, 6 by 6 feet.
- 22-1-H Ironing board.
- 23-1-H Outdoor furnace.
- 24-1-H Outdoor canner.
- 24-2-H Outdoor canner.
- 26-1-H An oat sprouter.
- 27-1-H Small pantry.
- 27-2-H Storage pantry.
- 33-1-H Split-log road drag.
- 34-1-H Workbench, 3 by 6 by 3 feet.
- 40-1-H Stand for grindstone.
- 41-1-H Ladder.
- 1-1-J Community canning plant.
- 8-1-J Bunkhouse, 20 by 23 feet.
- 14-1-J Sirup plant.

ARIZONA

College of Agriculture, University of Arizona, Tucson

Extension.

Mimeograph -

The grain-storage situation in Arizona in 1942 concerns bags -
bulk - moisture - insects - rodents - ventilation.

Blueprint -

1. Alfalfa feed rack for hogs.
2. Cipolletti weir.
3. Dipping vat.
4. Electric egg cleaner.
5. Portable hog house.
6. Rabbit hutch.
7. Temporary grain storage - 18 feet 8 inches diameter.

Experiment Station.

Bulletin -

- 174 Efficiency in the use of farm machinery in Arizona.
Ned O. Thompson. 1941.
- 187 Sharing farm machinery. Ned O. Thompson. 1943.

ARKANSAS

College of Agriculture, University of Arkansas, Fayetteville

Extension.

Circular -

- 254 Poultry housing and equipment. 1937.
- 399 Farm electrification. 1937.
- 416 Water system for the farm. 1938.

Leaflet -

1. Home-made storm and storage cellar.
Earle K. Rambo. 1942.
2. Home-made peanut picker. (Adapted from Mississippi
Extension Service plan) Earle K. Rambo. 1942.
3. Inexpensive methods of storing fruits and vegetables.
Earle K. Rambo and Earl J. Allen. 1942.
4. Home-made potato grader. Earle K. Rambo. 1943.

CALIFORNIA

College of Agriculture, University of California, Berkeley 4

Extension.

Circular -

- 125 Irrigated pastures in California. Burle J. Jones
 and J. B. Brown. 1942.

Leaflet -

- A home-made portable chain-drag elevator.
A back-yard poultry house. W. E. Newlon.
Stored-grain pests on the farm. A. E. Michelbacher, R. Craig,
and F. H. Ernst.
An emergency home-made electric brooder. J. R. Travernetti,
H. L. Belton, and V. S. Amundson. 1943.

Mimeograph -

- Sheared sugar-beet seed investigations. Roy Bainer. 1942.
Planting of sheared beet seed. Roy Bainer. 1942.
Mechanical blocking and thinning. Roy Bainer. 1942.

Multilith Drawings and Mimeograph Materials Plan -

- B-207 Portable cup elevator. 1942.
B-208 Portable 900-bushel grain bin.
B-209 1,000-bushel portable grain bin.
B-212 Portable chain-drag elevator. 1942.
B-212-a Elevator carriage. 1943.
B-527 Grain-bin cribbing detail (for Plan 5093). 1942.
B-528 Grain-bin conversion details. 1942.
B-529 Grain-bin construction details. 1942.

COLORADO

Colorado State College of Agriculture and Mechanic Arts, Fort Collins

Extension.

Circular -

- 97-A Keeping the farm at home. Chester D. Leonard and
 T. G. Stewart. 1935.
122-A Save your soil by terracing. Chester D. Leonard. 1937.
123-A Save your soil, how to run contour and grade lines.
 Chester D. Leonard. 1937.
124-A Save your soil, establish grass on dry land. T. G. Stewart.
 1938.

Circular - Continued.

- 125-A Save your soil, plant trees and shrubs. R. E. Ford. 1938.
- 126-A Improve your range by saving run-off. Chester D. Leonard. 1938.
- 352-A Farm home water systems. Exine Davenport. 1938.
- D-2 Land planning. T. G. Stewart. 1941.
- D-12 Home storage of fruits and vegetables. W. M. Case and Inez M. Eckblad. 1942.
- D-13 Home canning of meats. Inez Eckblad. 1942.
- D-14 Preservation of meat, poultry, and fish by freezing. Inez M. Eckblad.
- D-15 Drying fruits and vegetables. Inez M. Eckblad and W. M. Case. 1942.
- D-22 Concrete tile for subirrigated gardens. W. M. Case. 1942.
- D-24 Measurement of irrigation water. Floyd E. Brown. 1942.
- D-25 Irrigation for maximum production. Floyd E. Brown. 1942.
- D-29 Farm grain storage - how to build crib-type granaries. R. E. Ford. 1942.
- D-30 Visual aids in wartime. Glen Kinghorn. 1942.
- D-32 Preservation of vegetables by salting or brining. Inez M. Eckblad. 1942.

Experiment Station.

Bulletin -

- 443 Home-made farm equipment. William P. Kintzley. 1938.
- 476 Mechanical thinning of sugar beets. E. M. Mervine, R. D. Barmington. 1943.

Technical Bulletin -

- 29 The use of current meters in measuring pipe discharges. Carl Rohwer. 1942.

CONNECTICUT

College of Agriculture, University of Connecticut, Storrs

Extension.

Bulletin -

- 246 Winterproofing Connecticut houses. L. L. Sammet. 1937.

Mimeograph -

Cement, sawdust concrete, its use in farm buildings. L. L. Sammet. 1940.
Some sources of information on house construction. L. L. Sammet.
Plans for farm buildings in Connecticut.

Mimeograph - Continued.

Grain supplies and grain storage.
Notes on painting. L. L. Sammet. 1941.
Safety in farm wiring. Harold E. Pinches. 1940.
Use of electricity by farm and home equipment. Harold E. Pinches. 1939.
Installation and operation of electric fences. Harold E. Pinches.
How house construction affects winter comfort.

Leaflet -

Saving labor on dairy farms. J.S. Owen, H. E. Pinches, A. R. Merrill,
A. D. Mann, and P. L. Putnam.

Card -

Spread the use of machines now on farms.

Blueprints -

5027 An ice refrigerator - 1,200 pounds.
5029 Smokehouse 6 by 8 feet - 24 to 30 hours.
5040 Hog-breeding crate.
5091 Rope-bottom potato hopper.
5136 Poultry lights and water heaters.
5137 Poultry burglar alarms.
5142 Apple box elevator - vertical, belt, electric.
5146 Farm shop, tool shed and tool rack - 24 by 30 feet.
5155 Milk-can sunning rack and record holder.
5164 Trash burner.
5176 Potato cellar - 10 by 14 feet, concrete.
5180 Milk-can cooling tank - 2 to 12 cans.
5181 Cattle-breeding rack.
5182 Cattle-breeding rack.
5195 1-2-3 Construction and location of wooden out-take and
in-take flues for barns.
5196 An ice refrigerator - 600 pounds.
5198 Incinerator, brick.
5382 Hog self-feeder.
5414 Movable hay chute.
5415 Stationary spray tank - 748 to 3,351 gallons.
5416 Low wagon.
5417 Brush-burner sled.
5418 Portable potato conveyor.

FLORIDA

University of Florida, Gainesville

Extension.

Bulletin -

- 77 Houses and equipment for poultry in Florida. N. R. Mehrhof and/
94 Growing healthy chicks and pullets. N. R. Mehrhof and
M. W. Emmel. 1938. Frazier Rogers. 1934.

Circular -

- 50 Portable all-purpose poultry house. D. F. Sowell. 1941.
64 A simple farm brooder. A. W. O'Steen and N. R. Mehrhof.. 1943.

GEORGIA

College of Agriculture, University of Georgia, Athens

Extension.

Bulletin -

- 394 Terracing farm land in Georgia. G. I. Johnson,
W. N. Danner, Jr., and F. W. Peikert. 1939.
467 A portable motor for Georgia farms. J. L. Calhoun. 1939.
475 Planning for electricity on Georgia farms. J. L. Calhoun
and Willie Vie Dowdy. 1940.
483 Electric water systems for the farm. J. L. Calhoun, and
J. C. Oglesbee, Jr. 1941.

Circular -

- 260 Terrace maintenance. G. I. Johnson. Rev. 1939.
289 Watering the farm garden. J. L. Calhoun and
Elmo Ragsdale. 1941.
481 Home-made brooding unit. 1943.

Leaflet -

Unnumbered -

- Home-made electric brooder. 1942.
Are your hens on wartime? 1942.
Water your Victory Garden. 1942.
Electric fence saves in wartime. 1942.
More milk wanted - clean and cold. 1942.

Booklet -

Unnumbered -

Terracer's record book (and card).
Four small barns for Georgia farms.

Mimeograph Leaflet -

Unnumbered -

Care, share, repair - a manual for 1943 farm machinery.
G. I. Johnson, and J. C. Oglesbee, Jr. 1943.
Farm machinery and custom work. G. I. Johnson and J. C. Oglesbee, Jr.
Care and repair of electrical cord sets. H. S. Glenn.
Community food dehydrators, their construction and use. H. S. Glenn.
A sanitary home-made sun drier.
A cabinet-type drier. (Adapted from California.)

Printed Plan:

Home dehydrator - kitchen model with bracket fan, capacity 10 to 25
pounds fresh weight.
Home dehydrator - kitchen model with pedestal fan, capacity 10 to 25
pounds fresh weight.
Home dehydrator, table top model, capacity 4 to 10 pounds fresh weight,
T.V.A. design.
Cabinet drier. 1943.

Unnumbered -

Electric water systems (including farm water systems, sinks, showers,
and kitchen conveniences).
Lime spreader.
Barn and lot for jack.
Fixing the home for wartime conditions. J. C. Oglesbee, Jr. and
G. I. Johnson.
Rural housing program for home demonstration club members.
J. C. Oglesbee, Jr. and G. I. Johnson.
Brick furnace as used for neighborhood canning.
Look to your screens at flytime.
Farm account desk.
Clothes closet.
Desk book stand and shelf.
Poultry feed bin.
Mash feeder for hens.
Handy feeder for growing chicks.
Home-made peanut picker (adapted from Mississippi and Arkansas Plans).

Multilith Plan -

Unnumbered -	Lespedeza seed pan for mower.
77-271	Mash feeder.
Ex. 5579	Hog self-feeder.
77-261	Self-feeder.

IDAHO

College of Agriculture, University of Idaho, Moscow

Extension.

Circular -

65	Elevator and storage bins.
86	Bulk handling of grain. Hobart Beresford. 1942.

Defense Circular -

4	Protect farm machinery. Hobart Beresford. 1942.
5	Conserve irrigation water. Mark R. Kulp. 1942.
13	First aid to farm buildings. Walter R. Friberg. 1942.
14	Farm machinery repair. Hobart Beresford. 1942.
15	Producing quality milk and cream. D. R. Theophilus. 1942.
16	Your soil needs defending, too. Arnold E. Poulson. 1942.
22	Hotbeds and coldframes. Charles Arnold. 1942.
26	Meat preservation with freezer locker. D. E. Brady. 1942.
27	Freezing preservation of fruits and vegetables. Charles Arnold. 1942.
28	Farm fire protection. Royale K. Pierson. 1942.
29	Farm fire protection. Gilbert L. Dale. 1942.
30	Farm fire-fighting equipment. Hobart Beresford. 1942.
31	Storage of vegetables. E. R. Bennett. 1942.
32	Preservation of fruits and vegetables. Marion M. Hepworth. 1942.
33	If you have a blackout. Hobart Beresford. 1942.

War Circular -

1	Care and operation of milking machines. D. R. Theophilus and D. L. Fourt.
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Mimeograph Leaflet -

19	Emergency grain storage.
74	Trench silos.

Rural Electrification Extension Leaflet -

- 23 Electricity serves the farm home.
- 24 Electricity serves the farm shop.
- 27 More pigs with electric brooders.
- 28 More chicks - more eggs.
- 29 Farm water systems.
- 30 Home drying of fruits and vegetables.
- 32 Cool eggs keep.
- 33 Paint to protect.
- 34 Keep electrical appliances in service.
- 35 Electricity helps save fuel.
- 36 Electric motor care.
- 37 Washing machines. Make 'em last.
- 38 Electric brooders boost production, pigs - lambs - chickens.

Plans (Brown lined) -

- .3142-3 Potato sorter.
- .3142-4 Simplot potato washer.
- .3142-5 Rose-type potato washers.
- .3142-6 Knudsen piler.
- .3142-7 Malcolm potato sorter.
- .3152 (1-7) Pea dusters and equipment.
- .316-1 Sandmeyer loader.
- .3171-6 Wheel-type hay slip.
- .3171-10 Tire mounted hay slip.
- .3171-11 Beaver-slide hay stacker.
- .3171-12 P Power hay buckler.
- Tractor buck rake.
- Farm fire pump trailer.
- Soda and fire extinguisher trailer
- two 40-gallon units.
- Soda and fire extinguisher
- one 40-gallon pushcart.
- Carbon tetrachloride lamp-bulb bomb.
- Four-section hoe for firefighting.
- Farm made firefighting tools and
- equipment.
- Field fires (relocation of truck and tractor
- exhaust pipes).
- .7761-1 Idaho brooder kit.
- Home-made electric brooders - heating elements.
- Home-made electric brooders (two sheets).
- Radiant heat electric brooder.
- .728-1 Rabbit hutches.
- Potato pick-up cart.
- Bale tie stretcher.
- Fruit and vegetable drier.

ILLINOIS

College of Agriculture, University of Illinois, Urbana

Extension.

Circular -

- 319 Construction of self-feeders and their use in pork production. W. E. Carroll and W. A. Foster. Rev. 1939.
- 320 Movable hog houses. W. A. Foster and W. E. Carroll. Rev. 1932.
- 450 Better plowing. Thayer Cleaver and R. I. Shawl. 1936.
- 493 Farm drainage - its maintenance and construction. E. W. Lehmann and T. A. Pizen. 1939.
- 499 Tractor repair and maintenance. R. I. Shawl. 1939.
- 506 Poultry equipment. H. H. Alp. 1940.
- 513 Save the soil with contour farming and terracing. E. W. Lehmann and R. C. Hay. 1941.
- 515 Home-made electric-fence controller. E. L. Hausen and C. W. Veach. 1941.
- 525 Straw-loft poultry house. D. G. Carter and H. H. Alp. 1942.
- 529 Soybean - harvesting, storing. H. P. Bateman, D. G. Carter, and R. I. Shawl. 1942.
- 554 Labor-saving hog equipment. Deane G. Carter. 1943

Leaflet and Folder -

- FF-5 Keep farm machinery in the fight. 1942.
- Course 5 Rural war-production training - repair, operation, (Mimeograph) and construction of farm machinery and equipment. 1942.
- Heat with less coal. 1942.

Agricultural engineering.

- 173 Filling Illinois silos. R. H. Reed. 1938.
- Stop fires before they start.
- 252 Electric silo filling. R. R. Parks. 1940.
- 277 The why and when of feed grinding. H. G. Russell. 1940.

Mimeograph -

- 295 Plow trash guides.
- How to keep tractor power up and fuel costs down, as shown by 1940 Illinois farm tractor tests. H. P. Bateman and G. M. Petersen.
- 308 The selection and operation of electric motors. C. W. Veach. 1941.
- 347 Building a food dehydrator for home use. 1942.
- 376 Colony brooder house.
- RSE 91 This may happen to you. (Drama of accident hazards) E. H. Regnier. 1942.
- RSE 92 Watch out there, brother. (Drama of accident hazards) E. H. Regnier. 1942.

Unnumbered:

Illinois farm building plan service. 1942.
Baling-wire straightener.

- 306 Combine trouble chart. 1941.
- 351 A simple electric-lamp chick brooder. 1942.
- 368 Poultry houses and equipment. (List of plans)
- 369 Hog-production equipment. (List of plans)
- AG 962 Grass or gullies. E. D. Walker and R. C. Hay. 1941.

Unnumbered:

Farm electrification and your wiring problem.
Seeding and disking oats in one operation.

Blueprint -

- C - 118-1-1 Small self-feeder.
- C - 123-1-1 Alfalfa feeder. 1942.
- C - 125-11 Ear-corn self-feeder. 1926.
- C - 411-1 Hog trough. 1942.

Mid-West Plan -

- 191 Seed germinator - electric heat.
- 224 Low silage wagon.
- 240 Seed-disinfecting machine - home-made.
- 299 Flat wagon rack and basket.
- 388 Limestone unloader (from freight car).
- 408-1 Automatic hogwaterer. 1941.
- 410 Phosphate spreader attachment for truck.
- 416 Adjustable rack for use with hayloader.
- 426-1 Ear-corn open-hopper feeder. 1943.
- 77616 Alfalfa feed rack for hogs.

INDIANA

Purdue University, La Fayette

Extension.

Bulletin -

- 199 Home-made hog equipment.
- 232 Practical sheep equipment.
- 276 Dairy barns (includes a list of barn and equipment plans). Charles H. Reed. 1942.

Mimeograph -

F.M. Series
5R452 Straightening bale ties. R. C. Shipman. 1942.
R.E. Series
2S4A1 An electric pig brooder. S. A. Anderson. 1941.
41 Self-feeder for hogs.

Unnumbered:

Sweep rakes. R. C. Shipman. 1941.
Temporary silos. Charles H. Reed.
Practical methods of saving fuel. Charles H. Reed.
Purdue farm building plan service and list of plans
for farm structures.

Leaflet -

229 Spontaneous combustion of hay. Charles H. Reed. 1942.
240 Home-built electric chick brooder.

Unnumbered:

Home dehydration of fruits and vegetables.

Blueprint -

Unnumbered: Home-built chick brooder.

41 Self-feeder for hogs.
111 Portable brooder house.
115-2 Poultry equipment.
118 Chick and broiler feeders.
207 Hay feeding rack and bunk for sheep.
206 Inside hay and grain bunk.
208 Combination grain bunk and hay rack (on skids).
211 Concrete water tank. 200 gallons.
5505 Wooden farm gates.
5567 Automatic gate.
5614 Auto bumper gate.
77201 Concrete water tank. 1,200 gallons.
72301 Concrete manure pit. 18 by 27 feet.
77321 Breeding rack for cows.
77411 Grain bunk. 4 by 12 feet.
77413 Cattle self-feeder (on skids) 16 feet long.
 Capacity 360 bushels.
77461 Cattle stock.
77511 Grain bunk for sheep.
77612 Self-feeder.
77615 Ear corn self-feeder.
77621 Adjustable breeding, ringing, vaccinating crate for hogs.
77631 Loading chute on wheels for sheep and hogs.

Blueprint - Continued.

77713	Outside poultry self-feeder.
254A-1	Home-made electric pig brooder.
A-702	Portable dipping vat for sheep.
B-48	"Barrel" self-feeder for pigs.
B-105	Outside brooder coop.
C-55	Shipping crate for hogs and sheep.
C-414	Low-cut corn cutter.
5468	Cattle guard - wood.
5469	Cattle guard - concrete and wood.
5470	Cattle guard - concrete.

IOWA

Iowa State College of Agriculture and Mechanic Arts, Ames

Extension.

Bulletin -

P 44	Weed control in growing corn. Claude K. Shedd, Edgar V. Collins, and J. Brownlee Davidson. 1939.
P 49	Hemp, a war crop for Iowa. C. P. Wilsie, E. S. Dyas, and A. G. Norman. 1942.

Circular -

192 (revised)	The adjustment and repair of mowers. Byron T. Virtue, E. G. McKibbin, and D. K. Struthers. 1939.
209 (revised)	The adjustment and repair of grain binders. M. A. Sharp and Byron T. Virtue. November 1941.

Pamphlet -

28	Reducing labor in seedbed preparation for corn and soybeans. 1942.
41	Piling and seasoning Iowa native lumber. 1942.
45	Soybean storage. 1942.
46	Harvesting soybeans. 1942.
52	Remodeling hen houses for higher egg production. 1942.

Mimeograph -

AE 333	Are you making full use of the adjustments on your tractor carburetor?
AE 349	Reclaiming used bale ties.
AE 353	Save little pigs with guard rails in farrowing pens and houses.
AE 355	Chinch bug paper-barrier laying machine - instructions and directions.
E.G.M. 1/9/42	Farm tractor and implement tire care and repair.
T-3-R-3	Plow method of terrace construction. F. M. Pettinger. 1942.

Mimeograph - Continued.

Unnumbered:

Baled-straw hen houses. W. R. Whitfield and D. K. Struthers,
Three-horse evener.

Reprint -

From the July 1942 Farm Science Reporter FS52.
Harvest labor problems. D. K. Struthers.

Multilith Plan -

4-032 AEDS	Victory brooder house. W. R. Whitfield and C. H. Van Vlack. 1942.
4082 AEDS	Four-pen farrowing house. 1942.
4092 AEDS	Two-pen farrowing house. 1942.
D-776	Movable hog house 8 by 18 feet.

KANSAS

Kansas State College of Agriculture and Applied Science, Manhattan

Extension.

Circular -

144	Kansas straw-loft poultry house. W. G. Ward and M. A. Seaton. Rev. 1942.
145	Kansas poultry equipment - furniture for Biddy. W. G. Ward and M. A. Seaton. Rev. 1942.
155	Kansas brooder house and range shelter. W. G. Ward and M. A. Seaton. 1941.
165	Home-made field ensilage harvesters. John M. Ferguson. 1943.

Mimeograph Circular -

21	Tractor overheating - causes and remedies. John M. Ferguson and E. L. Barger. 1939.
22	Tractor lighting equipment. E.L. Barger and John M. Ferguson. 1940.
36	Subirrigation for gardeners. Hal F. Eier and W. G. Arnstein.
37	Lister adjustment for sorghums. John M. Ferguson, L. L. Compton, and E. L. Barger. 1941.
43	Getting the most from your tractor. J. M. Ferguson and J. W. Martin. 1942.
44	Planter adjustment for soybeans. John M. Ferguson, E. A. Cleavinger, and J. W. Martin. 1942.

Mimeograph -

C - Form 9

Back-yard poultry cottage.
Home-made brooder stove.
Electric chick brooder.
Directions for making lamb brooder.
Directions for making lamp brooder.
Directions for making pig brooder.
Directions for making poultry alarm and light control.
Directions for making poultry water warmers.
Vegetable and fruit dryers.
Salvaging idle farm buildings.
Combination fire and burglar alarm.
Home-made level for contour farming.
Hitch for two harrows.
V-shape terrace drag.

Ditto -

Unnumbered: Constructing and operating electric chick brooders.
Elmer H. Smith.

Mimeograph Plan - Poultry droppings pit.

Ditto Plan - Home-made poultry waterer -- oil barrel.

Photoprint - Salvaging idle farm buildings.

Multilith - Farm machinery maintenance. R. G. White, E. H. Smith,
(12-42-25M) and J. M. Ferguson.
Air compressor made from auto.
Changing a road engine maintainer to a terrace grader.

Blueprint - Canvas-belt drag-type grain elevator.

Drawing - Concrete packer-wheel farm vibrator.
Details for propeller for 6-volt generator battery.
charger.
Irrigation leveling drag.
Directions for making a drill press.
Directions for making an electric drill stand.
Directions for making electric fence.
Directions for making electric lawn mower.
Directions for making electric speed reducers.

KENTUCKY

College of Agriculture and Home Economics, University of Kentucky, Lexington 29

Extension.

Leaflet -

- 6 Check list of farm machinery repairs.
- 8 Cooperate with neighbors for more use of farm machinery.
George B. Byers. 1943.
- A-22 Hints on remodeling poultry houses. Jesse R. Brooks.
- A-23 How to harvest hempseed. J. B. Kelley. 1942.
- A-24 Farm reservoirs, suggestions on planning and construction. Earl G. Welch. 1942.

Mimeograph -

- A-7 Home butchering equipment.
- A-9 Home-made lamp or lantern brooder. J. B. Brooks. 1941.
- A-22 A fish screen. 1940.
- A-23 Home-made lime spreader. 1940.
- A-27 Water stand for poultry. 1940.
- A-30 List of farm building plans. 1941.
- A-32 Directions for making a fly trap. 1940.
- A-35 Suggestions concerning the construction of trench silos in Kentucky. Earl G. Welch. 1940.
- A-37 Suggestions on electric lighting of tobacco stripping rooms. Earl G. Welch. 1940.
- A-42 Sheep-feeding equipment. J. B. Brooks. 1942.
- A-43 Suggestions on electric brooding. Earl G. Welch and Stanley Caton. 1941.
- A-47 Freezer locker plants. Earl G. Welch. 1941.
- A-51 Better farm gates. J. B. Brooks. 1941.
- A-53 Self-feeders for hogs. Jesse B. Brooks. 1942.
- A-54 Electric brooding demonstrations and data on demonstrations. Earl G. Welch and Stanley Caton. 1940-41.
- A-56 Poultry-feeding equipment. Jesse B. Brooks. 1942.
- A-57 A house for hogs. Grady Sellards and J. B. Brooks. 1941.
- A-61 The use of water channels as a means of controlling erosion in the-hills-of-the bluegrass area of Kentucky. Earl G. Welch. 1942.
- A-64 Machinery for planting hemp for the production of seed. J. B. Kelley. 1942.
- A-76 Wheat storage structures and problems. J. B. Kelley and Jesse B. Brooks. 1942.
- A-78 Equipment for dehydrating fruits and vegetables. J. B. Brooks. 1942.
- A-82 Instructions for adjusting combines and threshers for cleaning hemp seed. J. B. Kelley. 1942.

Mimeograph - Continued.

- A-84 Portable hay and grain feed racks for cattle. Jesse B. Brooks. 1942.
- A-85 Plan of work - the repair, adjustment, and utilization of machinery. 1942.
- A-86 Home-made electric water warmers for wartime winter egg production. 1942.
- A-92 Bale-tie straightener (adapted by Earl R. Young from plan of Ohio State University). 1943.

Unnumbered:

Pulverized limestone weight table. Earl G. Welch. 1943.

Farm Economics.

- Misc. 130 Custom-operated labor-saving machines. E. J. Nesius and L. A. Vennes. 1943.

MAINE

College of Agriculture, University of Maine, Orono

Extension.

Bulletin -

- 278 Home-made poultry equipment. M. G. Huber and F. D. Reed. 1940.

Circular -

- 139 A home-made lime spreader. M. G. Huber. 1941.
- 180 Overhauling potato planters and sprayers. 1943.

Farm Bureau News: Farm machinery for sale. Farm machinery trading post.

MASSACHUSETTS

Massachusetts State College, Amherst

Extension.

Engineering Extension Series. W. C. Harrington.

- 49 Roofing for farm structures.
- 50 Ventilation for dairy stables.
- 68 Soldering. 1938.
- 71 Wind-resistant construction of poultry laying houses. Rev. 1940.
- 73 Ratproofing of farm structures. 1940.

Engineering Extension Series - Continued.

- 75 Putty for wooden window sash. 1940.
- 81 Silo hoopage standards. 1941.
- 82 The construction of cesspools. 1941.
- 83 Storing hay - some precautions to be observed in haymaking.
- 87 Suggestions for saving fuel. 1942.
- 89 Electric motors for farm use. 1942.
- 90 Time-delay fuses for farm motors. 1942.
- 91 A few suggestions for the care of small electric motors. 1943.

MICHIGAN

Michigan State College of Agriculture and Applied Science, East Lansing
Extension.

Bulletin -

- 32 Bull quarters - breeding chute, yard, and house.
J. G. Hays, A. J. Bell, C. H. Jefferson. Rev. 1941.
- 88 Grinding grain with electric power. H. J. Gallagher. 1930.
- 118 Septic-tank sewage disposal systems for Michigan. Rev. 1941.
- 129 Grinding and elevating grain with one-half H. P. motor.
H. J. Gallagher. 1933.
- 134 Common binder-head and knottter-head troubles. H. H. Musselman
and A. J. Bell. 1933.
- 143 Care of the sewing machine. A. J. Bell. 1935.
- 153 Care and repair of mowing machine. A. J. Bell. 1935.
- 185 Convenient kitchens. Julia Pond and Helen Noyes. Rev. 1941.

Experiment Station.

Special Bulletin -

- 320 Potato storage for Michigan (Also showing portable elevator).
Alfred D. Edgar, C. H. Jefferson and E. J. Wheeler. 1942.

Reprint From Quarterly Bulletins -

- Vol. 25, no. 2 Orchard and potato spray rigs in rural fire
protection. C. H. Jefferson and G. Amundson.
November 1942.
- Vol. 21, no. 2 The rubber-tired farm wagon. E. C. Sauve. November 1938.
- Vol. 14, no. 4 Selecting the pump, power and piping for irrigation
purposes. O. E. Robey.
- Vol. 19, no. 4 Rotary spray irrigation. O. E. Robey. May 1937.
- Vol. 21, no. 2 Electric dairy water heater and utensil sterilizer.
D. G. Ebinger. November 1938.
- Vol. 16, no. 2 Multi-speed reduction unit with direct drive for
electric motor operation. H. J. Gallagher.

Mimeograph Circular -

Unnumbered:

Plow adjustments. E. C. Sauve.
Sprayer trouble chart. A. J. Bell. 1940.
Rental schedule for farm machines suggested by ASAE.
Suggestions for minimizing spontaneous heating hazard in the storage of hay.

Plans -

Multilith -

317-C1-11 Sweet-rake lift for tractor. 1942.
317-D1- 8 Transport sweep rake for tractor. 1942.
317-D1-10 Beet loader including bill of materials. 1942.
73209-13 4,000 bushel granary. 1940.
77201-13 Self-feeder for hogs. 1940.
77203-13 Self-feeder for sheep. 1932.
77603-13 Lamb creep. 1940.

Ditto - Hay prod thermometer. 1940.

MINNESOTA

Department of Agriculture, University of Minnesota, University Farm, St. Paul 8

Plans -

M - 101 Hog self-feeder.
M - 102 Poultry mash feeders and poultry water stand.
M - 103 Movable plank hog floor.

Mimeograph -

E-5 Contruction and use of re-usable forms for septic tank.

MISSISSIPPI

Mississippi State College, State College

Blueprint -

313 - 3 Hopson cotton pen. 1942.
734 - 1 Log sweetpotato house - 500 bushel. 1941.
734 - 5 Food-storage pit. 1942.
734 - 7 Concrete food pit. 1942.
774 - 5 Dehorning gate. 1942.
795 - 4 Building a hotbed. 1942.
7101 - 32 Fireplace construction. 1942.
7271 - 5 Catching coop. 1941.
7271 - 11 Electrically heated brooder and sun parlor -
50 chicks. 1942.

MISSOURI

College of Agriculture, University of Missouri, Columbia

Extension.

Circular -

- B. F. 8-a Check your farm for wartime labor-saving practices.
217 Adapting horse-drawn mowers to tractor power.
L. E. Hightower. 1941.
255 Salvaging bale ties.
419 Home-made poultry equipment. C. E. Rohde and
K. B. Huff. 1940.
436 Four types of hog houses. A-type single and double
units. J. C. Wooley and K. B. Huff. 1941.
449 Mower repair and adjustment. M. M. Jones and
Lloyd E. Hightower. 1942.
460 Converting a slip scraper into a one-man tractor
scraper. J. C. Wooley. 1942.
470 Dairy-farm building plans. J. C. Wooley and
A. C. Ragsdale. 1942.
471 Plans for hog houses (and equipment).
J. C. Wooley and R. L. Ricketts. 1942.
472 Plans for buildings and equipment for beef
cattle, sheep, and work stock. J. C. Wooley
and R. L. Ricketts. 1942.
473 Plans for poultry buildings. J. C. Wooley
and R. L. Ricketts. 1942.
474 Plans for storage buildings. J. C. Wooley and
R. L. Ricketts. 1942.
479 A self-feeder for hogs. J. C. Wooley and Marion Clark. 1942.
484 Home-made stock tank heaters. Ralph Ricketts,
Marion Clark, and M. J. Regan. 1943.
489 Home-made cultivators.

Leaflet - folder - Farm machinery and equipment. (Check sheet
for machines)

Mimeograph Circular -

Unnumbered:

- Lime spreader. K. B. Huff.
Paul Bunyan's hammer - stump puller.
Home-made lespedeza harvester - sled type.
Improved home-made lespedeza harvester (beater and pan attached
to old mower).

Blueprint -

Unnumbered: Hay stacker and loader - made from truck chassis.

Blueprint - Continued.

11-772-B1	Hay-saving feed rack.
3-771-C1	Community stock-tank form.
3-791-C1	Home-made tractor sweep rake.
8-314-C1	Basket hay rack.
7-314-C1	Flat-bottom hay rack.
6-314-C1	Low-down silage rack.
96- 1	Seed scarifier.
2-314-A1	Seed-treating machine.
1-778-B1	Cattle guard.
484	Home-made stock-tank heaters.
1625	Floodgate.

MONTANA

Montana State College of Agriculture, Bozeman

Extension.

Bulletin -

180	Irrigation structures and equipment. O. W. Monson and G. H. Bingham. 1939.
185	The home-made centrifugal pump. O. W. Monson. 1940.
197	Water power for the farm. O. W. Monson and Armin J. Hill. 1941.
210	Open shed milking stable plan of housing the dairy herd. J. O. Tretsvén. 1942.
213	Use and care of household equipment. Margaret Huston Tuller. 1942.

Circular -

2	Safety bull pen. 1929
63	Subirrigation. E. E. Isaac. 1934.
84	Flood irrigation. G. H. Bingham and O. W. Monson. 1937.
118	Home storage of vegetables. E. E. Isaac. 1942.
119	Preservation of vegetables by salting or brining. 1942.
121	Shed-roof brooder house. H. E. Cushman. 1942.
124	Farm fires aid our enemies. 1942.
128	Montana calf stall. J. O. Tretsvén. 1943.
130	Irrigating the family garden. G. H. Bingham. 1943.
170	Device to reclaim used baling wire.
172	Home auto buck rake.
200	Canning meat, fish, and poultry. Frances Smith. (Revised by Bessie E. McClelland.) 1941.
206	Poultry housing and poultry-housing equipment. H. E. Cushman. 1942.
210	Open shed milking stable plan of housing the dairy herd. J. O. Tretsvén. 1942.
212	Dehydration of garden products. Bessie E. McClelland. 1942.

Circular - Continued -

- 213 Use and care of household equipment. Margaret
Huston Tuller. 1942.
- 214 Home canning by safe methods. Jessie E. Richardson
and Helen L. Mayfield. 1942.

Mimeograph -

Unnumbered -

Fire-prevention check sheet.
Horse hitches for tractor implements. H. E. Murdock.
How safe is your home? (Check sheet).
Farm storage of grains.
Preservation of foods by frozen storage. Bessie E. McClelland.
Rev. 1942.
Home-made electric brooders. Armin J. Hill.
Dutch-oven brooder stove.
Housekeeping and home-making. Margaret Huston Tuller.
Auto buck rakes. 1943.
Rental rates for farm machinery. 1943.

Experiment station.

Mimeograph -

- 35 Cost of grinding feed grain with electric feed
grinders. Armin J. Hill. 1942.

Bulletin -

- 380 Range improvement through conservation of floodwaters.
O. W. Monson and J. R. Quesenberry. 1940.
- 398 Overshot and current waterwheels. O. W. Monson and
Armin J. Hill. 1942.

NEBRASKA

College of Agriculture, University of Nebraska, Lincoln 1

Extension.

Information series -

- 1 Keeping the farm car and truck battery on the job.
Carlton L. Zink. 1942.
- 2 Home-made attachments and convertible machines for bindweed
cultivation. Carlton L. Zink and Noel Hanson. 1943.
- 3 Siphon tube irrigation. Philip V. Eshelman. 1943.
- 4 Home-made sweep for tricycle type tractor. Carlton L. Zink.
1943.

Information series - Continued.

- 5 A handy welding jig. Carlton L. Zink. 1943.
- 6 Engine cooling systems. Carlton L. Zink. 1943.
- 7 Improved land leveler. Carlton L. Zink. 1943.
- 8 Nebraska type auto hay sweep. Carlton L. Zink. 1943.
- 10 Auto, truck, or tractor hitch for horse-type buck rake.
Carlton L. Zink. 1943.
- 11 Tandem mower hitches. Carlton L. Zink. 1943.
- 12 Two-rake tractor hitch. Carlton L. Zink. 1943.

NEW HAMPSHIRE

University of New Hampshire, Durham

Extension.

Circular -

- 43 Power for the grindstone. H. N. Colby and W. T. Ackerman. 1935.
- 140 Vegetable storage. J. R. Hepler and G. M. Foulkrod. 1941.
- 154 The home-made silo. M. F. Abell. 1933.
- 160 Range shelters. T. B. Charles, A. E. Tepper, and
H. N. Colby. 1934.
- 165 Brooder houses. A. E. Tepper, H. N. Colby, and
T. B. Charles. 1935.
- 167 Poultry equipment. A. E. Tepper. 1935.
- 171 Burglarproofing the farm. H. N. Colby. 1935.
- 214 Hotbeds and coldframes. T. A. Marsden, Jr., and
J. R. Hepler. 1938.
- 216 How to build a range shelter. A. E. Tepper and T. B. Charles. 1938.
- 218 A stack storage unit for hay. W. T. Ackerman. 1938.
- 231 Streamlining your old sewing machine. G. M. Foulkrod. 1940.
- 235 Potato vine lifter. George M. Foulkrod and Paul T. Blood. 1941.

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- 1 Your oil truck is a fire-fighter. 1943.

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- 12470 Tune up your sewing machine. G. M. Foulkrod. 1942.
- How to install a sewage-disposal system and build a
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State College of Agriculture and Mechanic Arts of Rutgers University,
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689 Development of machinery for harvesting and storing grass
silage. Harry E. Besley, Claude Eby, and Walter R. Humphries.
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Extension.

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- 14 Making a tool and nail box. L. M. Roehl. 1925.
- 94 Fitting the farm saws. L. M. Roehl. 1924.
- 140 The construction of concrete floors for dairy stables.
A. M. Goodman. 1926.
- 151 Dairy stable ventilation. F. L. Fairbanks and A. M. Goodman.
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- 225 Repairing harness. F. G. Behrends. Reprinted 1938.
- 243 Cornell combination grain and mash trough.
L. M. Roehl and F. E. Andrews. Reprint 1941.
- 280 Cornell poultry range shelter. L. M. Roehl and J. H. Bruckner.
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- 285 The use of concrete on the farm. J. C. McCurdy. Reprint 1940.
- 315 The ventilation of poultry laying houses. F. L. Fairbanks
and A. M. Goodman. Revised 1941.
- 323 Farm horseshoeing. Henry Asmus. 1935.
- 366 Brooding chicks under electric hovers. J. H. Bruckner
and P. R. Hoff. Rev. 1942.
- 367 Water supply for orchards. B. A. Jennings. 1937.
- 378 Grinding the farm tools. L. M. Roehl. Reprinted 1939.
- 381 Plow adjustment. B. A. Jennings. Rev. 1942.
- 385 Repairing the springtooth harrow. B. A. Jennings. 1938.
- 410 How electricity is used on the farm. C. N. Turner. 1939.
- 411 Artificial illumination of poultry laying houses for winter
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- 453 The air-cooled or common apple storage and its management.
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- 464 Diversion terraces and contour strip cropping.
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- 471 Repairing the mowing machine. B. A. Jennings and
P. R. Hoff. 1941.
- 491 (W.E.B. 10) Tune up the tractor. W. F. Miller. 1942
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Paul R. Hoff and Louis M. Hurd. 1942.
- 505 (W.E.B. 23) Save labor in growing crops. E. Van Alstine
and H. W. Riley. 1942.
- 508 (W.E.B. 25) Save labor at laying time. E. Van Alstine
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- 509 (W.E.B. 26) Fire prevention on farms. F. B. Wright. 1942.
- 511 (W.E.B. 28) Lubrication of farm machinery. Paul R. Hoff. 1942.
- 512 (W.E.B. 29) How to put out a fire. F. B. Wright. 1942.
- 514 (W.E.B. 31) Cultivator adjustment. W. F. Miller. 1942.
- 516 Farm refrigeration for apples. E. L. Arnold. 1942.
- 519 (W.E.B. 33) Milking machines - washing and care. H. J. Brueckner
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- 520 (W.E.B. 34) Common binder troubles. B. A. Jennings and
W. F. Miller. 1942.
- 533 The storage of vegetables and fruit for home use.
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- 534 (W.E.B. 46) The farm repair shop. L. M. Roehl. 1942.
- 541 (W.E.B. 49) Care of electric motors. Forrest B. Wright. 1942.
- 552 (W.E.B. 59) Home-built electric brooders. Paul R. Hoff. 1942.

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C. B. Richey and R. D. Barden) 1942.

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- 591 (W.E.B. 93) Combine adjustments. Paul R. Hoff. 1943.
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- 426 Modified hoard stall as installed at New York State College of
Agriculture.
- 674 Combine adjustment demonstrations.

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- 677 Portable hog-watering barrel.

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- 678 Small hog feeder.
- 699 Farm machinery repair clinics.
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Plow adjustment demonstrations.

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- 579 Watering poultry in winter. C. N. Turner.
- 590 Tile drainage. A. M. Goodman. 1941.

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- 48 List of farm building and equipment plans. 1940.

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- 222 Terracing to reduce erosion. David S. Weaver and H. M. Ellis. 1942.
- 266 How to dehydrate food at home. 1943.

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- 5 Equipment for poultry. C. F. Parrish, T. T. Brown, C. J. Maupin,
and R. S. Dearstyne. 1942.
- 9 Maintenance of the combine. J. D. Blickle. 1942.
- 10 Farmstead fire prevention. David S. Weaver. 1942.

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- 36 A home-made brick brooder. D. S. Weaver and C. F. Parrish.
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- 52 Lamp brooder.
- 56 Low-cost silos. 1942
- 57 A home-made electric brooder. C. F. Parrish and
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- 11 Proper cooling saves milk. 1942.

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- 7 Farm gates. 1942.
- 8 Wire fence construction. 1941
- 11 Sweetpotato vine cutter. 1941.
- 12 Fertilizer distributor. 1942.
- 46 Lamp brooder. 1940.
- 57 Peanut stack lifter. 1942.
- 68 Portable wooden silo. 1941.
- 74 Home-made peanut picker. (Revised from Mississippi Plan) 1942.
- 85 Common sense silo. (Crib construction) 1942.
- 87 Small dairy barn. 1942.
- 91 Accident prevention. 1942.
- 125 Lespedeza seed (pan) attachment for mower. 1942.
- 254 Lime spreader. 1942.
- 301 Stove top drier. 1942.
- 302 Cabinet-type drier. 1942.
- 303 Electric dehydrator. 1943.
- 306 Egg cooling rack. 1938.
- 400 Food storage. (Cabinet and shelves) 1939.
- 481 Kitchen (and equipment). 1940.
- 535 Mail-box supports. 1940.
- 548 Sweetpotato vine cutter. 1939.
- 1003 Trough and hay rack. 1942.
- 1004 Terracing drag.
- 1005 Home-made distributor.
- 1006 Lime spreader. 1942.
- 1008 Clover-seed stripper.
- 1011 Construction of terraces. 1938.
- 5125 Portable hog water-barrel.
- 5136 Poultry lights and water-heater.
- 5137 Poultry burglar alarm.

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Ruth Dawson. Rev. 1942.

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- A - 31 Rat control. F. Gray Butcher. 1942.
- A - 32 Farmstead windbreaks. John J. Zaylskie. 1942.
- A - 58 Fire swatter. 1943.

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College of Agriculture, Ohio State University, Columbus 10

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Bulletin -

- 7 Grain storage shortage. B. A. Wallace and George R. Shier. 1942.
- 63 Egg cooler and humidifier.
- 80 Plows and good plowing. C. O. Reed and E. A. Silver. 1940.
- 82 Use of rope on the farm.
- 87 Common binder head and knotter head troubles.
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- 94 Poultry housing.
- 96 Using electricity on Ohio farms.
- 140 Your sewing machine, its care and adjustment.
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- 186 Erosion control in Ohio farming.
- 201 The farm shop.
- 208 Control of ventilation and temperature for dairy cows,
laying hens, and swine. 1942.
- 220 Hog shelters and equipment. G. R. Shier and Howard Davison. 1942.
- 221 Cost per hour of using farm machinery. C. B. Richey. 1942.
- 222 A convertible poultry shelter house.

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- Seed corn drying.
- Cement sawdust concrete.
- Trench silos.
- Ear corn ventilation.
- Forced ventilation for grain.
- Heating the farm home effectively.
- Buck rakes. C. B. Richey and R. D. Barden. Revised 1942.
- Machinery check sheet.
- Silos, selection and maintenance. G. R. Shier and R. C. Miller.
- Ventilating shelled corn and soybeans with blowers. G. R. Shier,
R. C. Miller, W. A. Junnila. 1942.
- Storing soybeans on the farm. G. R. Shier. 1942.
- A bulldozer for general-purpose farm tractors. Virgil Overholt,
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Power and labor requirements in the farm business.
Combine harvesting. E. A. Silver and G. W. McCuen.
Harvesting soybeans in wartime.
Adjustment of the farm mower.
Farm mowers. R. D. Barden.
(Agr. Engin.) Figuring labor and power requirements on your farm.
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Farm sprayers. R. D. Barden.
Spring development.

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145 Labor, power, and machinery on small farms in Ohio.
F. L. Morison, Rosa V. Baumann. 1941.

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Living-willow mats.
Graphic solution of terrace channels.
Physical test requirements of drain tile.
Farm ponds.

Equipment Plans -

0522 Milking parlors.
02007 Suggestions for remodeling barn frames.
02651 Pole hog shelter. G. R. Shier and R. C. Miller. 1943.
03150 Native timber crib silo for corn and grass.
03200 Grain elevator. 1938.
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07511)
07514) Sheep-feeding racks. G. R. Shier and R. C. Miller. 1943
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07602 Hog feeder. G. R. Shier. 1943.
09401 Beef cattle barn fan. 1942.
09402 24-inch fan. Junnila and Shier. 1942.
09404 Small blower-type dehydrator.

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Rural Electrification

Printed Circular -

- 1 Running water, a farm necessity. I. P. Blauser.
- 2 A refrigerator for the farm home. Thelma Beall.
- 3 Electric fences. I. P. Blauser.
- 4 The electric range. Thelma Beall.
- 5 Small electric motors. I. P. Blauser.
- 6 Lights for winter eggs. I. P. Blauser.
- 7 Electrically operated feed grinders. I. P. Blauser.
- 8 Rules for good lighting. I. P. Blauser.
- 9 An after-Christmas story for your home. Thelma Beall.
- 10 Electric brooders. I. P. Blauser.
- 11 The electric ironer. Thelma Beall.
- 12 Electric milking machines. I. P. Blauser.
- 13 Electric water heaters.
- 14 Electric milk coolers.
- 15 The electric roaster. Thelma Beall.
- 16 The electric hot plate. Thelma Beall.
- 17 Electric power for silo filling. I. P. Blauser.
- 18 The electric mixer. Thelma Beall.
- 19 Portable electric motors. I. P. Blauser.
- 20 The electric washing machine. Thelma Beall.
- 21 Stock tank water warmers. I. P. Blauser.
- 22 Keeping electricity safe. I. P. Blauser.
- 23 The electric vacuum cleaner. Thelma Beall.
- 24 Electric pig brooder. I. P. Blauser.
- 25 Use and care of electric washing machine. Thelma Beall.
- 26 Electricity in the farm shop. I. P. Blauser.
- 27 Electric cords. Thelma Beall.
- 28 Electric dairy water heaters. I. P. Blauser.
- 29 Care of the vacuum cleaner. Thelma Beall.
- 30 Sun lamps for poultry. I. P. Blauser.
- 31 Use of the electric range. Thelma Beall.
- 32 Electrically driven feed mixers. I. P. Blauser.
- 34 Electric water warmers for poultry. I. P. Blauser.
- 35 Use of the vacuum cleaner. Thelma Beall.
- 36 Electric hotbeds. I. P. Blauser.
- 37 Care of the refrigerator. Thelma Beall.
- 38 Electric hay hoists. I. P. Blauser.
- 39 Care of the electric range. Thelma Beall.
- 40 Use and care of the electric roaster and the electric hot plate. Thelma Beall.
- 41 Care of electric motors. I. P. Blauser.
- 42 Use and care of the electric iron. Thelma Beall.
- 43 Care of the milking machine. I. P. Blauser.
- 44 Care of small table appliances. Thelma Beall.
- 45 Servicing the electric water system. I. P. Blauser.
- 46 Electric lamp brooder. I. P. Blauser.
- 47 Safe electric service - farm and home check sheet.
Thelma Beall and I. P. Blauser.

Printed Circular - Continued.

- 48 Care of motor-driven household appliances. Thelma Beall.
- 51 Electric motor lubrication. I. P. Blauser.

Chart -

Machinery adjustment and repair.
Combine operation.
Power and labor requirements.

Chart and slide -

Dairy barn ventilation.
Poultry house insulation and ventilation.
Hog houses and equipment.
Kitchen remodeling.
House planning and remodeling.
Exterior paints.
Corn storage.
Silo selection and maintenance.
Labor-saving arrangements about the barn.

Picture, slide, and motion picture -

Labor-saving equipment.
Electrical application.

Experiment station.

Bulletin -

- 51 Drain tile manufactured in Ohio.
- 589 Soil erosion in Ohio.

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Oklahoma Agricultural and Mechanical College, Stillwater

Extension.

Circular -

- 317 How to build with native stone. C. T. Sturdivant. Revised 1942.
- 338 Four-H Club Agricultural Engineering Manual. Carl T. Sturdivant.
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- 366 Handicraft. Carl T. Sturdivant. Revised 1942.

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Straightening bale ties. C. T. Sturdivant.

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OP 65 Repair farm equipment now. C. T. Sturdivant.

Mimeograph Leaflet - Home-made peanut picker. C. T. Sturdivant.
(Courtesy of the Mississippi and Arkansas
Extension Service Plan).

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Oregon State Agricultural College, Corvallis

Station Circular -

- 145 Plans for saving and straightening bale ties.
- 309 Construction and operation of a home electric food
dehydrator. F. E. Price and Dale E. Kirk.
- 402 Truck buck rake. F. E. Price, and W. L. Griebeler. 1943.

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- 146 Home-made electric brooders.
- 403 Slide hay stacker.
- 404 Overshot stacker.
- 406 Two-way drag buck.

News Sheet - Pistol Creek fireman. June 1943.

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Extension.

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- 89 Septic tanks for the farm. John R. Haswell. Second Revision. 1940.
- 115 Poultry houses for Pennsylvania. R. R. Murphy and John Vandervort.
Revised 1941.
- 152 Colony houses and hog-lot equipment. L. C. Madison. Reprinted 1940.
- 215 Electric wiring for the farm. John R. Haswell and V. S. Peterson.
Revised 1941.
- 224 Mower adjustment and repair. V. S. Peterson. 1940.
- 237 Causes and remedies of binder troubles. V. S. Peterson. 1942.

Card - Tractor check-up record.

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Multilith - Labor saving in haying. John R. Haswell,
Robert J. McCall and Glenn R. Miller.

- Mimeograph - Electric fencing. Progress report. John E. Nicholas and F. I. Bentley. 1939.
 M. P. 278. Hay chute. John R. Haswell. (Drawing No. 105-3, Pa., Ex. 5414, P. 122.)
 11.333 One-man hay rack. John R. Haswell.
 Spark arrester. John R. Haswell.
 Grounds for metal roofs for lightning protection. John R. Haswell.
 Gasoline consumption in tractors. John R. Haswell and A. W. Clyde. 1943.
 Order repair parts now. John R. Haswell and R. J. McCall.
 Farm and home accident prevention. (An activity for Pennsylvania 4-H Club members.)
 Inspection report - farm and home accidents.
 Plow hitching. A. W. Clyde and V. S. Peterson.

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- Bulletin - 441 Using the tractor efficiently. A. W. Clyde. Rev., 1943.

RHODE ISLAND

School of Agriculture and Home Economics, Rhode Island State College, Kingston.

Extension.

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- 20 Repair and adjustment of mowing machines. Julius A. Akeroyd. 1942.

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Clemson Agricultural College, Clemson

Extension.

Circular -

- 168 Fixup the farm home for better living. C. V. Phagan. 1942.
 178 An inexpensive home-made brooder. P. H. Godding. 1941.
 192 Milling at home. C. V. Phagan. 1942.
 213 Save your electrical equipment. Portia Seabrook and C. V. Phagan. 1942.
 217 Join the front lines for home defense. C. V. Phagan and Portia Seabrook. 1942.
 227 The farm shop, tools, and equipment. C. V. Phagan. 1943.
 243 Home dehydration. Martha W. Buttrill and W. J. Ridout, Jr. 1943.

Leaflet -

- 1 Calf creep. J. R. Hawkins.
- 2 Pig creep. 1939.
- 3 Hog trough. 1940.
- 4 Hog-watering barrel.
- 5 A-type hog house.
- 6 Shed-type hog house.
- 8 Poultry-catching coop.
- 9 Cattle-feed trough. 1940.
- 10 Hog self-feeder. 1939.
- 12 Heifer shed. 1939.
- 13 Hog self-oiler. 1940.
- 14 Box silo. 1940.
- 15 Milk-cooling box. 1941.
- 16 Poultry-storage shed. 1940.
- 17 Wooden fence. 1940.
- 19 A-type sweetpotato house. 1941.
- 20 The use of farm lumber in constructing farm buildings.
C. V. Phagan and M. H. Bruner, 1941.
- 22 Farm home porches and doorsteps. M. C. McKenzie. 1939.
- 28 Home-made kitchen cabinets. M. C. McKenzie. 1941.
- 31 Rural electrification activities for 4-H Club members and
others. C. V. Phagan and M. C. McKenzie. 1940.
- 32 Electric hotbeds for South Carolina. 1942.
- 35 Garden irrigation. (Sprinkler system.) C. V. Phagan. 1942.
- 36 Water systems for the farm home. C. V. Phagan. 1940.
- 37 Good screens for better health. C. V. Phagan. 1937.
- 38 Kitchen sink plans. C. V. Phagan. 1938.
- 39 Binders and combines, care and operation. C. V. Phagan. 1939.
- 40 Home-made lime spreader. M. C. McKenzie. 1942.
- 41 Tips on tractor troubles. M. C. McKenzie. 1940.
- 42 Methods of harvesting crimson clover. E. C. Turner, Jr.,
and C. V. Phagan, 1939.
- 43 Filling the silo with small power units. C. V. Phagan. 1940.
- 44 Corn cutter. (Seed type.) 1941.
- 45 Home-made stalk cutter. 1941.
- 46 Sweetpotato vine cutter. T. A. Cole. 1939.
- 47 Subirrigation for gardens. C. V. Phagan. 1942.
- 49 Electrical appliance cords, care and repair. C. V. Phagan. 1942.
- 50 Operations of electric sweetpotato hotbeds. C. V. Phagan. 1942.
- 51 Tractor tires - make them last longer. C. V. Phagan. 1942.
- 52 The use of grain threshers for threshing peanuts. C. V. Phagan and
H. A. Woodlee. 1942.
- 53 Water your Victory Garden. C. V. Phagan. 1942.
- 54 Egg cooler, evaporator type. 1942.
- 55 Home-made driers for fruits and vegetables. C. V. Phagan. 1942.
- 56 Home-made peanut picker. (Hand type) (Mississippi Arkansas Plan)
1942.
- 57 Suggestions for improved methods of making sirup. 1942.
- 58 Kudzu mowing attachment. C. V. Phagan. 1942.

Mimeograph -

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Wartime ginning problems and recommendations. C. V. Phagan. 1943.
Plan for the organization and conduct of 1-day farm-machinery
repair schools in South Carolina.
Using horse-mowers behind tractors.

SOUTH DAKOTA

South Dakota State College of Agriculture and Mechanic Arts, Brookings

Extension.

Circular -

- 31 Farm building ventilation. R. L. Patty.
- 41 Laying out the foundation for a building. R. L. Patty.
- 261 Pit and trench silo. R. L. Patty and R. A. Cave.
- 307 A septic tank for farm sewage disposal. R. L. Patty.
- 323* Available engineering circulars and blueprint plans.
- 362 Poultry houses for South Dakota. R. L. Patty.
- 363 Arranging the buildings in the farmstead. R. L. Patty.
- 366 Irrigating a 1-acre garden. R. L. Patty.

Leaflet -

Subsurface row crop cultivator.
Converted subsurface tiles.

Blueprint -

- 61 Bushel crate.
- 64 Saw filing.
- 65 Saw horse.
- 67 Mitre box.
- 251 Movable hog house plan. A type, 7 by 8 feet.
- 253 Movable hog house. 6 by 8 feet.
- 255 Two-pen movable hog house, 8 by 12 feet.
- 321 Turkey shed, 24 by 24 feet.
- 351 Brooder and colony house, 10 by 12 feet.
- 441 Ice house plan, semi-basement, concrete walls, 12 by 12 feet,
20-25 tons.
- 442 Ice house plan, cement block, 14 by 18 feet.
- 541 Hay stacker. (Swinging boom.)
- 542 Rubber-tired wagon trailer.
- 543 Rubber-tired mounting for moving small buildings.
- 544 Heavy duty tilt-platform rubber-tired trailer.

* Available South Dakota Agricultural engineering bulletins, circulars,
and plans and selected lists of USDA and Mid-west plans.

Blueprints - Continued.

- 545 Light car trailer on single wheel.
- 552 Concrete corner post.
- 561 Cattle dipping vat. 26 feet 6 inches by 3 feet.
- 562 Hog dipping vat. 18 by 2 feet.
- 563 Sheep dipping vat for mounting on a truck.
- 572 Nail and hammer box.
- 581 Form for building rammed-earth walls.
- 612 Septic tank plan.
- 621 Sanitary concrete well curb.
- 631 Cistern plan. (Jug shaped)
- 632 Concrete cistern plan.
- 640 Water softener, 10 gallon.
- 641 Coolers, iceless cooler, and cold window box.
- 851 Farmstead plans.
- 921 Livestock sales pavilion plan.
- 932 Sharpening plowshares.
- 933 Wire splicer.
- 934 Grasshopper-bait spreader.
- 1011 A single shed roof cornerrib.
- 5141 4-horse evener for 14 inch gangplow.
- 5151 5-horse evener for gangplow.
- 5152 5-horse evener.
- 5161 6-horse evener for 12 inch gang plow.
- 5211 Self-feeder for hogs - 30 to 60 shoats.
- 5212 Self-feeder for hogs - 12 to 15 shoats.
- 5213 Portable self-feeders.
- 5219 Alfalfa feeding rack for hogs.
- 5231 Sheep-feeding rack for hay.

Experiment station.

Bulletin -

- 239 Costs and uses of electricity on South Dakota farms.
R. L. Patty.
- 251 Combining grain in weed-free fields. D. E. Wiant and
R. L. Patty.
- 277 Rammed earth walls for farm buildings. R. L. Patty and
Minium.
- 297 Hitches for field machinery. D. E. Wiant and Minium.
- 303 Two-row cultivator converted into weed-control machine.
D. E. Wiant and R. L. Patty.
- 333 Home-made rubber-tired carts and trailers. H. H. De Long.
- 336 Paints and plasters for rammed earth walls. R. L. Patty.
- 349 Home-made rubber-tired carts and trailers. H. H. De Long.

Circular -

- 30 Remodeling used machinery for tractor farming. L. F. Larsen.
- 42 Hard-surfaced floors for the farm poultry house. R. L. Patty
and L. F. Larsen. 1943.

Circular - Continued.

- 44 Converting a horse-drawn mower into a power mower.

TENNESSEE

College of Agriculture, University of Tennessee, Knoxville

Extension.

Publication -

- 240 Mower repairs and adjustment. Earle K. Rambo and
G. E. Martin. 1942.
266 Plow adjustments. G. E. Martin and M. T. Gowder. 1942.
273 Household equipment - its care and simple repair. 1943.

Leaflet -

- 8 Home-made electric brooder.
26 Drying fruits and vegetables. Maude Guthrie. 1942.
35 Planning farm machinery upkeep.
36 Rates for farm machinery custom work.
37 Farm repairs and tools. 1942.
40 Machinery repairs - do the job right.
52 Painting farm machinery.
53 Care of disk harrows.
54 Cultivator adjustment. M. T. Gowder. 1943.
56 Grain-drill repairs and adjustments. M. T. Gowder. 1943.
60 How to dehydrate food at home. 1943.

Special Circular -

- 163-1 Fruit and vegetable dryer for sun-drying. 1942.
171 Clover stripper - hand-operated. 1942.
176-A Pig self-feeder. 1943.
176-B Pig creep.
177-A Flat-bottom hog trough.
177-B Hog hayrack.
178-A & B Hog self-feeder.
179-A & B Poultry feed hopper.
179-C Poultry feed hopper. 1943.
180-A Poultry grain self-feeder.
180-B Poultry grit hopper.
181-A Cattle grain feeder.
181-B Cattle hog feeder.
182-A & B Cattle self-feeder.
183-A & B Calf creep feeder.
184-A & B Lamb feed trough and lamb creep.
185-1 Battery-type wood stanchion.
9785 Two types of hay and grain racks for sheep.

Special Circular - Continued.

9786 Grain trough for sheep.

Special Circular 168 -

List of farm building and equipment plans. Contains list of blueprints included in U. S. D. A. Miscellaneous Publication 360 and many others relating to houses, farm buildings, and many types of special equipment. 1942.

- 8 Home-made electric brooders.
- 118 Home-made lamp brooder.
- 840-2 Walk-in cooler 6 by 8 feet.
- 1851 Diagrams showing installations of electric heaters for sweetpotato curing houses.
- 7251-1 Portable dipping vat.
- 7321-1 Lespedeza seed plan.
- 7321-2 Crimson clover stripper.
- 7321-3 Abrasive disk seed scarifier and cleaner.
- 7321-4 Arnold castor-bean sheller.
- 8620 Sod cutter.
- 9582 Lime spreader.

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- 183 Dehydration of fruits and vegetables in the home. G. A. Shuey. 1943.

TEXAS

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- B-59 Dairy barn plans. E. R. Endaly and M. R. Bentley. 1942.
- B-65 Poultry houses for Texas. M. R. Bentley and George P. McCarthy. 1943.
- B-67 Waterworks for Texas farm homes. M. R. Bentley. 1940.
- B-71 Poultry yard equipment.
- B-81 Hog lot equipment for Texas farms. E. M. Regenbrecht and M. R. Bentley. 1939.
- B-86 Home tanning of leather. M. K. Thornton. 1941.
- B-92 Subirrigation for gardens. M. R. Bentley and J. F. Rosborough. 1941.
- B-111 Storage structures and home storage of vegetables and fruits. Winifred Jones, Grace I. Neely, J. F. Rosborough, and M. R. Bentley. 1942.

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- C-102 Now is the time to repair the house. Mrs. Bernice Claytor. 1936.
- C-110 Hotbeds for home gardens. J. F. Rosborough and M. R. Bentley. 1941.
- C-141 Home-made lamp brooders. George P. McCarthy and M. R. Bentley. 1942.
- C-146 Build a safety bull pen. G. G. Gibson and M. R. Bentley. 1939.
- C-170 Drying foods at home. Grace I. Neely. 1941.
- C-189 Declare war on rats (ratproofing). R. B. Hickerson and M. R. Bentley. 1942.
- C-190 Prevent farm fires.
- C-195 Home-made electric brooders. George P. McCarthy and M. R. Bentley. 1943.
- C-199 Farm machinery at war. M. R. Bentley. 1943.

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- 329 Smokehouses. Roy W. Snyder and M. R. Bentley. Rev. 1940.
- 354 Home-made duster (for insecticides). Cameron Siddall. 1942.

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- 15 Directions for making halters. 1939.
- 27 Stop heat damage and egg losses. 1942.

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- 133 Log houses for sweetpotato storage. M. R. Bentley.
- 173 Home-made, brick stove for brooder. George P. McCarthy and M. R. Bentley.
- 345 Texas ventailed pantry. M. R. Bentley, Grace I. Neely and Winifred Jones.
- 493 Texas log poultry house. M. R. Bentley.
- 518 Skid for hay or bundles. M. R. Bentley and A. P. Bralley. 1942.
- 520 Trays for drying fruit. Winifred Jones.
- 528 Home-made electric egg cooler. George P. McCarthy.
- 529 Peanut-digging plows. M. R. Bentley.
- 535 Concrete floor for the family milk cows. G. G. Gibson and M. R. Bentley. 1943.
- 552 Cotton-rabbit trap for garden use. R. E. Callender.
- 556 Electric fruit and vegetable dehydrators for the home.
- 557 Home-made broadcast distributor for phosphate. M. R. Bentley. 1943.

Blueprint or Whiteprints - *

- 129 Cotton stripping sleds. M. R. Bentley. 1942.
- 134 Post bracing. M. R. Bentley.
- 157 Hog self-feeder. M. R. Bentley.
- 159 Calf creep and feeder. M. R. Bentley.
- 165 4-H Pantry. M. R. Bentley.
- 169 Buzzard trap. M. R. Bentley.
- 171 Range creep feeder for calves. M. R. Bentley.
- 197 Hog-breeding crate.
- 199 Sled-type grain-sorghum harvester. M. R. Bentley.

* Plans listed here are in addition to those listed in U. S. D. A. Miscellaneous Publication No. 360, Plans for Farm Buildings for Southern States.

Blueprint or Whiteprint - Continued.

- 208 Ventilated pantry and Ms. 345. M. R. Bentley.
- 230 Mineral box for cattle.
- 242 Calf self-feeder with protection from chickens. M. R. Bentley.
- 248 Concrete trough for cattle (feed or water). M. R. Bentley.
- 252 Carruth calf self-feeder. M. R. Bentley.
- 257 Turkey brood coop. M. R. Bentley.
- 261 Bettig-calf creen. M. R. Bentley.
- 265 Float valve for water trough. M. R. Bentley.
- 267 Home-made power sprayer for tractor. M. R. Bentley.
- 273 Sweetpotato slicer for feed. Bob Wright.
- 282 Garden-size distributor for commercial fertilizer.
- 286 Cattle trap gates. 1943.

Mimeograph and Photo Copies -

- 221 Bale tie straightener. 1943.
- 222 Garden-size distributor for commercial fertilizer. 1943.
- 255 Cabinet-type dehydrator and apple-box drier. 1941.
- 256 Drier with screen cover, for drying in the sun.
- 270 Home-made peanut-stripping box. 1943.
- 280 Five-sided feed rack for sheep. 1943.
- 285 Battery for 200 chicks or 100 broilers. 1943.
- Apple-box type dehydrator.
- Two doe rabbit hutch.
- 524 Peanut-digging plows.

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- 621 Effects of planter attachments and seed treatment on stands of cotton. H. P. Smith and M. H. Byrom. 1942.

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Utah State Agricultural College, Logan

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- N. S. 115-C Food storage of vegetables. Arvil S. Stark. 1942.
- N. S. 116 Frozen foods from freezer lockers. Elna Miller.

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- M. S. 462 Drying fruits and vegetables for home use.
A. L. Stark and Elna Miller. 1942.

VERMONT

College of Agriculture, University of Vermont and State
Agricultural College, Burlington

Extension.

Circular -

- 101 Home-made equipment for chick raising. D. C. Henderson. 1940.

Brieflet (mimeograph) -

- 460 Simple home repairs. (Part 1 Plumbing).
614 A farm workshop. George E. Webster. 1942.
615 Repairing and adjusting the mowing machine.
Ralph H. Granger. 1942.
651 Care and repair of electrical appliance cords.
Ralph H. Granger. 1942.
653 Taking care of motor-driven household equipment.
Mrs. Charlotte P. Brooks. 1942.
663 Home-made electric brooders.
Home-made oil-lamp brooders.

VIRGINIA

Virginia Agricultural College and Mechanical College and
Polytechnic Institute, Blacksburg

Extension.

Bulletin -

- 153 Care and maintenance of household equipment.
E. T. Swink. 1942.
How to dehydrate food at home.

Blueprint* -

- B - 5.12 Home-made cabinet sterilizer in wood or steel.
B - 5.13 Home-made, sheet-metal, steam sterilizing tank.
B - 5.14 Insulated, galvanized-metal, electric sterilizer with
500-watt unit.
B - 5.15-3 Electric utensil sterilizer, 6-10 gallon cans.
B - 5.51 Home-made wood stanchions.
C - 5.13 Hay and grain feed rack - 12-20 cattle.
C - 5.14 Movable self-feeder for 15-20 cattle.
C - 5.15 Movable self-feeders for 20 calves.

* Many other building and equipment plans include those listed in U. S. D. A.
Miscellaneous Publication 360 and in V. P. I. List of Farm Building Plans.

Blueprint - Continued.

- C - 5.16 Movable feed rack for 20 cattle.
- F - 2.11 Home-made electric brooder - 200 chicks.
- F - 2.12 Home-made electric brooder - 300 chicks.
- F - 4.16 Egg-cooling rack - water evaporation.
- F - 5.11 Hinged range hopper for grain and mash.
- F - 5.15 Trap nest detail.
- F - 5.16 Brick brooders.
- F - 5.17 Electric water warmer for poultry.
- F - 5.18 Stand for holding water bucket; poultry.
- G - 3.11 3 by 6 ft.-self-feeder for hogs - 40 hogs.
- G - 3.12 1 by 3 ft.-self-feeder for pigs - 5 bushel.
- G - 3.13 Self-feeder for pigs - 3 bushel.
- G - 3.14 Movable alfalfa-feed rack for hogs.
- G - 3.15 Movable self-feeder for 50 hogs.
- J - 2.71 Hand-operated apple washers, 500 bushels per day.
- J - 2.73 Filter for removing apple-spray residue.
(56 gallons a minute)
- K - 5.11 Saw horse for farm shop.
- K - 5.21 Shop bench and vice detail.
- K - 5.31 Tool cabinet for farm shop.
- K - 5.41 Forge for farm shop.
- L - 5.11 Home-made tobacco wagon rack.
- N - 3.21 Home-made lime spreader.
- N - 3.22 Rag doll germinator.
- N - 3.27 Lespedeza seed pan for mowers.
- N - 5.11 Home-made fly trap.
- N - 5.21 Home-made "V" drag for terracing.
- N - 5.22 Home-made terracing frame for laying out terraces,
using a carpenter's level.
- N - 6.22 Cattle guard - wood construction.
- N - 6.32 Lamb and pig creeps.

WASHINGTON

State College of Washington, Pullman

Extension.

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- 38 Back-yard poultry keeping. Revised 1943.
- 188 Drying fruits and vegetables. Eleanore Davis and
R. N. Miller. Revised 1943.
- 257 Building the farm freezing plant. R. N. Miller and
Homer J. Dana. 1940.

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- 188 Drying fruits and vegetables at home. Eleanore Davis
and R. N. Miller. 1943.

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- 309 Construction and operation of home-made electric dehydrators.
 The home-made electric fence. R. N. Miller.
 Home-made six-volt wind-charger plant. R. N. Miller.
 Some suggestions on farm wiring. R. N. Miller.
 Building farm elevators.
 Materials for 11,500 bushel gravity-type elevator and estimated cost.
 Bill of materials for 750 bushel granary. 1942.
 Facts about soldering. R. N. Miller.
 Land clearing in Washington. R. N. Miller.
 Construction of manure tanks. R. N. Miller.
 Bale tie straightener. R. N. Miller.
 Results of laboratory studies of sawdust concrete.
 L. W. Newbauer.

Mimeograph Drawing -

- B - 51 Detail section of 34-ft. dairy barn.
 B - 35 Detail of Gothic roof.
 B - 61 Hay-feeding rack.
 B - 71 Cattle guard for farm fence.
 L - 11 Small-farm homestead layout - 5 acres.
 L - 12 Plan of dairy farmstead - 2 acres.
 S - 11 Floor plan of a central hog house.
 S - 11-A Alley partition details, hog house accessories.
 S - 21 Portable hog house, A type, 8 by 8 feet.
 S - 35 Portable feed racks for sheep.
 S - 36 Wall-type feed racks for sheep.
 S - 37 Portable reversible grain trough for sheep.
 S - 45 Sheep or hog-shipping crate.
 Exposed wiring details - Washington C. R. E. A.
 Self feeder for hogs.
 Sand shovel.
 Home assembled stump puller, old auto engine and chassis.
 Sand filter.

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- 172 Home drying of fruits and vegetables with the W. S. C. dehydrator. C. L. Bedford, John B. Dobie, and L. J. Smith. 1943.

WISCONSIN

College of Agriculture, University of Wisconsin, Madison 6

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Mimeograph -

Hay rack and grass silage wagon.
Grass silage rack.

Blueprint -

Grass silage rack.

WYOMING

College of Agriculture, University of Wyoming, Laramie

Extension.

Circular -

- 35 The home-makers' tools. Esther Pond. 1931.
- 69 A water system for the farm home. George W. Boyd. 1939.
- 75 Control of noxious weeds by light burning and how to make a burner. George W. Boyd and C. L. Corkings. 1941.

Mimeograph -

Drying Wyoming fruits and vegetables. Evangeline Jennings and Ellen Lindstrom.

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Hansen lamb feeder, 16 inch by 14 feet.
Frostproof drinking fountain. J. H. O'Roke. 1929.
Potato storage cellar, 32 by 50 feet. J. H. O'Roke. 1929.
Potato cellar entrance. John C. Cluff. 1930.
Self-feeder for hogs, double. John C. Cluff. 1930.
Self-feeder for hogs, single. John C. Cluff. 1930.

